Application Number			
Filing Date			
First Named Inventor Hajin		ne KANDO	
Art Unit			
Examiner Name			
Attorney Docket Number	er	36856.1461	
	Filing Date First Named Inventor Art Unit Examiner Name	Filing Date First Named Inventor Hajim Art Unit	

U.S.PATENTS Remove										
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue D	Pate   Name of Patentee or Applicant   F		Pages,Columns,Lines where Relevant Passages or Releva Figures Appear			
	1									
If you wish	If you wish to add additional U.S. Patent citation information please click the Add button.									
			U.S.P	ATENT	APPLIC	CATION PUBL	LICATIONS		Remove	
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publica Date	of cited Document		Releva	es,Columns,Lines where vant Passages or Relevant res Appear		
	1									
If you wish	n to ac	dd additional U.S. Publi	shed Ap	plication	citation	n information p	lease click the Add	button	Add	
				FOREIG	3N PAT	ENT DOCUM	ENTS		Remove	
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>		Kind Code <sup>4</sup>	Publication Date	Name of Patentee Applicant of cited Document	e or V	Pages,Columns,Lines vhere Relevant Passages or Relevan Figures Appear	T5
	1	10-233647	JP		А	1998-09-02				<b>V</b>
	2	10-247835	JP		А	1998-09-14				<b>V</b>
	3	09-107264	JP		А	1997-04-22				<b>V</b>

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

( Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Hajim	ne KANDO
Art Unit		
Examiner Name		
Attorney Docket Number		36856.1461

	4	2004/095699	WO	A1	2004-11-04				<b>✓</b>
	5	98/51011	wo	A1	1998-11-12				<b>✓</b>
	6	2003-114592	JP	A1	2003-04-18				<b>✓</b>
If you wis	h to ac	dd additional Foreign Pa			•			Add	
			NON-PATE	NT LITE	RATURE DO	CUMENTS	<u> </u>	Remove	
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.					T5		
	1	International Search Report issued in the corresponding International Application No. PCT/JP2004/019551, mailed on May 17, 2005.						<b>✓</b>	
	2	2 CHUJO et al., " Piezoelectric Boundary Wave in a Substrate with a Layered Structure," Research Institute of Electrical Communication, 1980, pp. 21-28.						<b>✓</b>	
	3 SHIMIZU, "SAW Propagation Characteristics on LiTaO3 With Arbitrary Cut," Tokyo Institute of Technology, Tokyo, 1980, pp. 140-145, vol. 36, no. 3.						<b>✓</b>		
	SHIBAYAMA, "Acoustic Wave Device Technology Handbook," The 150th Committee on Acoustic Wave Device Technology, Japan Society for the Promotion of Science, November 30, 1991, p. 549.						<b>✓</b>		
	5	CAMPBELL et al., "A Method for Estimating Optimal Crystal Cuts and Propagation Directions for Excitation of Piezoelectric Surface Waves," IEEE Transactions on Sonics and Ultrasonics, October 1968, pp. 209-217, Volume SU-15, No. 4.							
	6	YAMANOUCHI et al., "Piezoelectric Acoustic Boundary Waves Propagating Along the Interface Between SiO2 and LiTaO3," IEEE Transactions on Sonics and Ultrasonics, November, 1978, pp. 384-389, Volume SU-25, No. 6.							

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

( Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor Hajim		ne KANDO
Art Unit		
Examiner Name		
Attorney Docket Number		36856.1461

	7 SHIBAYAMA, "Engineering of Surface Acoustic Wave," Institute of Electronics and Communication Engineers of Japan, November 15, 1983, pp. 56-58.				<b>✓</b>			
If you wisl	If you wish to add additional non-patent literature document citation information please click the Add button Add							
			EXAMINER SIGNATURE					
Examiner Signature Date Considered								
			reference considered, whether or not citation is in conforma rmance and not considered. Include copy of this form with r					
See Kind Codes of USPTO Patent Documents at <a href="www.USPTO.GOV">www.USPTO.GOV</a> or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. If Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.								

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

( Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor Hajim		ne KANDO
Art Unit		
Examiner Name		
Attorney Docket Number		36856.1461

	CERTIFICATION STATEMENT						
Plea	ase see 37 CFR 1	.97 and 1.98 to make the appropriate selecti	on(s):				
	That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).						
OR							
	That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).						
	See attached cer	rtification statement.					
	Fee set forth in 3	7 CFR 1.17 (p) has been submitted herewith	٦.				
<b>✓</b>	None						
	ignature of the ap n of the signature.	SIGNA plicant or representative is required in accord		8. Please see CFR 1.4(d) for the			
Sigr	Signature /Joseph R. Keating #37,368/ Date (YYYY-MM-DD) 2006-07-12						
Nan	Name/Print Joseph R. Keating Registration Number 37368						
pub 1.14	lic which is to file o	mation is required by 37 CFR 1.97 and 1.98 (and by the USPTO to process) an application s estimated to take 1 hour to complete, inclued USPTO. Time will vary depending upon th	on. Confidentiality is gover uding gathering, preparing	rned by 35 U.S.C. 122 and 37 CFR and submitting the completed			

require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria**,

CERTIFICATION CTATEMENT

VA 22313-1450.

## **Privacy Act Statement**

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
  - 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.